

2-27-2017

## CHHS News

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### Recommended Citation

College of Health and Human Sciences, Georgia Southern University, "CHHS News" (2017). *CHHS-College of Health and Human Sciences News*. 69.

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## Concussion Study Published in American Journal of Physiology-Regulatory Integrative and Comparative Physiology

February 27, 2017

John L. Dobson, Ph.D., associate professor in the School of Health and Kinesiology, Mary Beth Yarbrough, College of Health and Human Sciences (CHHS) alumna and academic advisor, Jose Perez, graduate exercise science student, Kelsey Evans, CHHS alumna, in collaboration with Thomas Buckley, Ph.D. (University of Delaware) had their research, "Sport-Related Concussion Induces transient Cardiovascular Autonomic Dysfunction," published ahead of print in the [American Journal of Physiology-Regulatory Integrative and Comparative Physiology](#).

Dobson and his colleagues have spent the past several years investigating the effect of concussions on cardiovascular function. The study included 12 college students who had suffered a concussion while participating in a recreational sport. Students were compared to 11 controlled participants who were matched by sex, height, and mass and had no history of concussions. Researchers administered tests that measured involuntary changes in heart rate and blood pressure. The study found that concussion causes short-term impairment of the cardiovascular system, but the cardiovascular symptoms typically resolve within three days of the injury.

Read the full article, "[Sport-Related Concussion Induces Transient Cardiovascular Autonomic Dysfunction](#)".

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